

Application No.: 09/890,482

Case No.: 53852US013

**Amendments to the Claims:**

Please cancel claims 1-5. Please amend claims 11-13, 15-16, 20, 22-23, and 25-26.  
Further, please add claims 28-30.

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

1-5. (Cancelled)

6. (Previously presented) An optical filter system comprising:  
an infrared detector device; and  
an optical filter comprising a dielectric reflective layer capable of reflecting at least 70% of radiation in an undesired wavelength region while transmitting a predetermined proportion of light in a desired wavelength region, the dielectric reflective layer comprising a set of first polymer layers comprising a first polymer in combination with a set of second polymer layers comprising a second polymer by alternately stacking the first polymer layers and the second polymer layers, wherein the dielectric reflective layer is curved.

7. (Previously presented) The optical filter system of claim 6, wherein the dielectric reflective layer is curved to provide a wide viewing angle in one plane and a limited viewing angle in an orthogonal plane.

8. (Previously presented) The optical filter system of claim 6, wherein the dielectric reflective layer has a spherical shape.

9. (Previously presented) The optical filter system of claim 6, wherein the dielectric reflective layer has a modified spherical shape to accommodate spectral shift.

Application No.: 09/890,482

Case No.: 53852US013

10. **(Previously presented)** The optical filter system of claim 6, wherein the dielectric reflective layer is curved to follow the arc of a cylinder and a surface of the detector is positioned at the center of the arc.
11. **(Currently Amended)** An optical filter comprising:  
a dielectric reflective layer capable of reflecting at least 70% of radiation in an undesired wavelength region while transmitting a predetermined proportion of light in a desired wavelength region, the dielectric reflective layer comprising a set of first polymer layers comprising a first polymer in combination with a set of second polymer layers comprising a second polymer by alternately stacking the first polymer layers and the second polymer layers; and  
a metallic mesh coated on the surface of the dielectric reflective ~~film~~layer.
12. **(Currently Amended)** The optical filter of claim 11, wherein the metallic mesh is coated on the dielectric reflective ~~film~~layer by vapor deposition or sputtering.
13. **(Currently Amended)** The optical filter of claim 11, further comprising a substrate upon which the dielectric reflective ~~film~~layer is disposed.
14. **(Previously presented)** The optical filter of claim 13, wherein the substrate comprises glass.
15. **(Currently amended)** The optical filter of claim 13, further comprising an antireflective ~~coatings~~ coating disposed on a surface of the substrate.
16. **(Currently Amended)** The optical filter of claim 11, further comprising a conductive material disposed on a grounding site of the dielectric reflective ~~film~~layer.
17. **(Previously presented)** The optical filter of claim 16, wherein the conductive material comprises copper.

Application No.: 09/890,482

Case No.: 53852US013

18. **(Previously presented)** The optical filter of claim 17, wherein the conductive material comprises a copper tape.
19. **(Previously presented)** The optical filter of claim 16, wherein the grounding site is positioned on an edge portion of the optical filter.
20. **(Currently Amended)** An article comprising:  
a source that emits radiation in an undesired wavelength range;  
a dielectric reflective layer that is positioned to receive radiation from the source, wherein the dielectric reflective layer is capable of reflecting at least 70% of radiation in the undesired wavelength region while transmitting a predetermined proportion of light in a desired wavelength region, the dielectric reflective layer comprising a set of first polymer layers comprising a first polymer in combination with a set of second polymer layers comprising a second polymer by alternately stacking the first polymer layers and the second polymer layers; and  
a metallic mesh coated on the surface of the dielectric reflective ~~film~~layer.
21. **(Previously presented)** The article of claim 20, wherein the source comprises a plasma display device.
22. **(Currently Amended)** The article of claim 20, wherein the metallic mesh is coated on the dielectric reflective ~~film~~layer by vapor deposition or sputtering.
23. **(Currently Amended)** The article of claim 20, further comprising a substrate upon which the dielectric reflective ~~film~~layer is disposed.
24. **(Previously presented)** The article of claim 23, wherein the substrate comprises glass.

Application No.: 09/890,482

Case No.: 53852US013

25. **(Currently Amended)** The article of claim 23, further comprising an antireflective ~~coatings~~coating disposed on a surface of the substrate.

26. **(Currently Amended)** The article of claim 20, further comprising a conductive material disposed on a grounding site of the dielectric reflective ~~film~~layer.

27. **(Previously presented)** The article of claim 26, wherein the grounding site is positioned on an edge portion of the optical filter.

28. **(New)** An optical filter system comprising:  
an infrared detector device; and  
an optical filter comprising a dielectric reflective layer capable of reflecting at least 70% of radiation in an undesired wavelength region while transmitting a predetermined proportion of light in a desired wavelength region, the dielectric reflective layer comprising a set of first polymer layers comprising a first polymer in combination with a set of second polymer layers comprising a second polymer by alternately stacking the first polymer layers and the second polymer layers, wherein the dielectric reflective layer is curved, and further wherein at least one of the first polymer and second polymer of the dielectric reflective layer is birefringent.

29. **(New)** An optical filter comprising:  
a dielectric reflective layer capable of reflecting at least 70% of radiation in an undesired wavelength region while transmitting a predetermined proportion of light in a desired wavelength region, the dielectric reflective layer comprising a set of first polymer layers comprising a first polymer in combination with a set of second polymer layers comprising a second polymer by alternately stacking the first polymer layers and the second polymer layers; and  
a metallic mesh coated on the surface of the dielectric reflective layer;  
wherein at least one of the first polymer and second polymer of the dielectric reflective layer is birefringent.

Application No.: 09/890,482

Case No.: 53852US013

30. (New) An article comprising:

a source that emits radiation in an undesired wavelength range;

a dielectric reflective layer that is positioned to receive radiation from the source, wherein the dielectric reflective layer is capable of reflecting at least 70% of radiation in the undesired wavelength region while transmitting a predetermined proportion of light in a desired wavelength region, the dielectric reflective layer comprising a set of first polymer layers comprising a first polymer in combination with a set of second polymer layers comprising a second polymer by alternately stacking the first polymer layers and the second polymer layers; and

a metallic mesh coated on the surface of the dielectric reflective layer;

wherein at least one of the first polymer and second polymer of the dielectric reflective layer is birefringent.